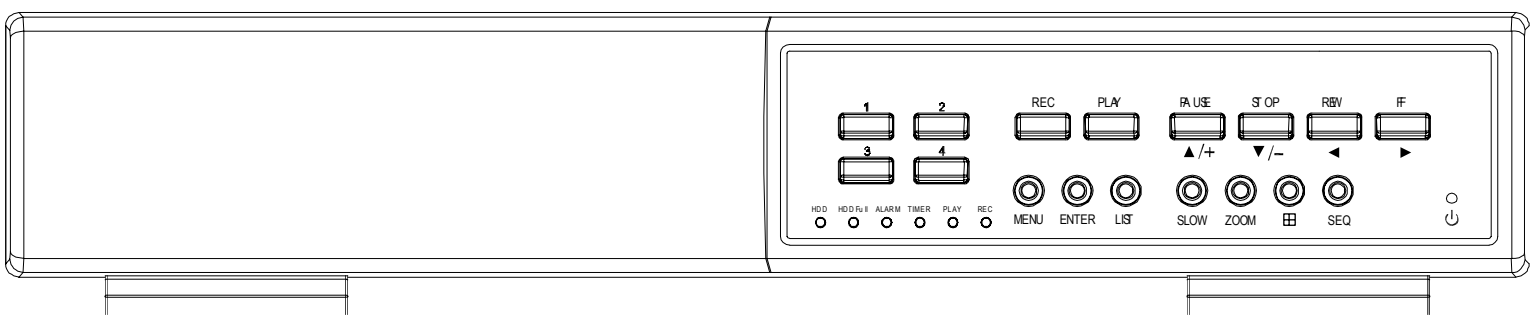
MPEG4 4CH DVR

Quick Guide



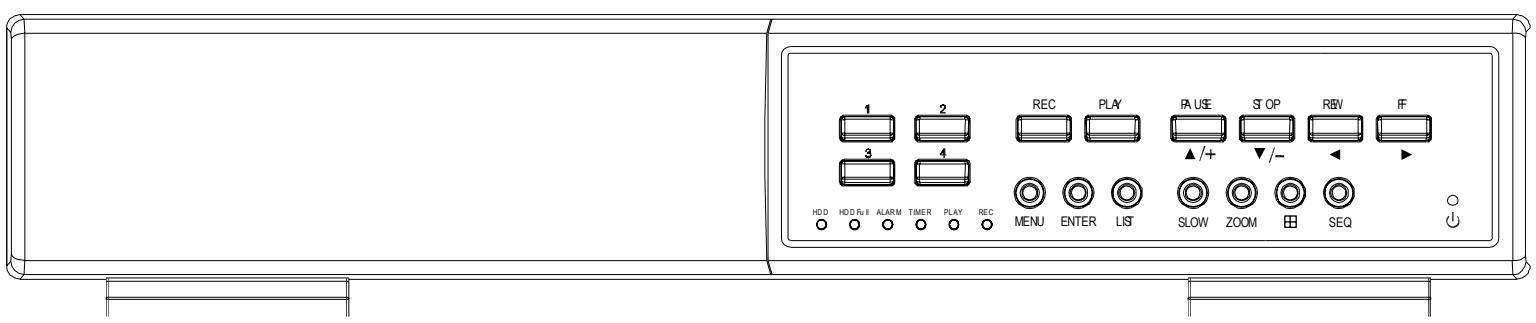
Please read instructions thoroughly before operation and retain it for future reference.

The image shown above may differ from the actual product appearance.

1. Package Contents

- ☐ Digital video recorder (DVR)
- ☐ Adapter and power cord
- ☐ Free licensed software AP disc
- ☐ Manual & quick start & IR remote control manual
- ☐ Vertical panel sticker for remote controller (certain models only)
- ☐ Thermal conductive silicone rubber
- ☐ HDD bracket screws (spare parts)
- ☐ DSUB PIN connector
- ☐ AAA size battery * 2

2. FRONT AND REAR PANELS



2.1 Front Panel

1) LED Indication

The following LEDs will be on when:

HDD: HDD is reading or recording
HDD Full: HDD is full
ALARM: Any motion detection is triggered.
TIMER: Timer recording is activated
PLAY: DVR is under playback mode
REC: DVR is under recording mode
⏻: Power is connected

Note: To turn off your DVR, please disconnect the power supply.

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2) 1 / 2 / 3 / 4

Press one of these buttons to show the channel display of CH1 ~ CH4 on the monitor.

3) REC

Press this button to activate manual recording.

4) PLAY

Press this button to play the latest recorded video.

5) PAUSE / STOP / REW / FF

Under the playback mode:
Press one of these button to pause / stop / rewind / fast-forward the playback file.

6) ▲+ / ▼- / ◄ / ►

Press one of these direction buttons to move the cursor up/down/left/right.
Under the DVR menu mode, these direction buttons can use for the following operation:
▲▼: Make the selection / Change the settings
◄ ►: Make the selection

7) MENU

Press this button to enter / exit the DVR menu mode.

In the sub-layer of the DVR menu, press this button to confirm the settings and go back to the upper layer.

8) ENTER

Confirm the password entering.

9) LIST (Event List Search)

To quick search the recorded files by event list, press this button to show all types of the event lists.

Select one of the event list and press “ENTER” button to playback the selected file.

MANUAL: List the information of the manual-recorded files. The DVR will save one recorded file once any recording setting is changed

SYSTEM: List the information of the system-recorded files. The DVR system will save one recorded file every one hour.

MOTION: List the information of the motion-trigger-recorded files.

TIMER: List the information of the timer-recorded files.

10) SLOW

Under the playback mode, press this button to slowly playback the recorded file (by 1/4 speed or 1/8 speed).

11) ZOOM

In the live mode of the DVR, press this button to enlarge the image of the selected channel.

12) ⊞ (Quad Display)

Press this button to show the quad display mode on the monitor.

Note: If you want to make a video backup with audio, please connect audio camera to the CH1 which support the audio function

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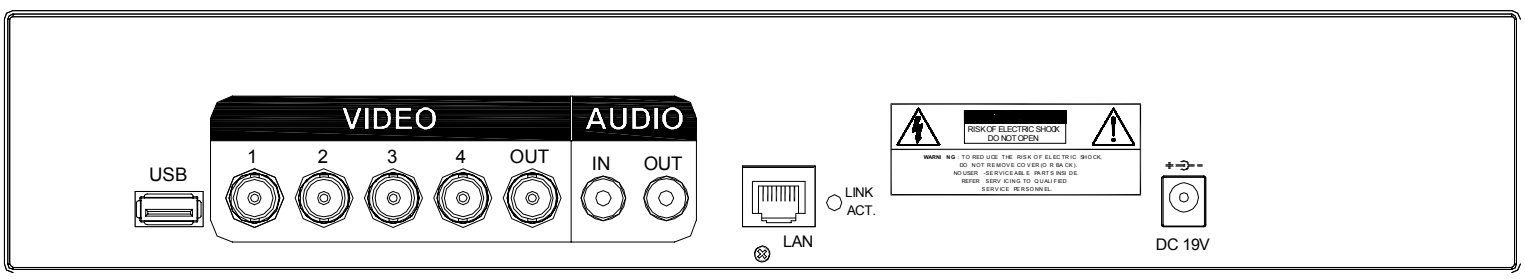
13) “MENU” + “ENTER” (Key lock)

Press these two buttons at the same time to lock keys on the DVR front panel.

2.2 Rear Panel



1) USB Port

To quickly backup or upgrade firmware/OSD, you can insert a compatible USB flash drive into this USB port.

Before using the USB flash drive, please use your PC to format the USB flash drive as “FAT32” first.

2) VIDEO INPUT (1 ~ 4CH)

Connect to video sources, such as cameras.

Note: If you want to make a video backup with audio, please connect audio camera to CH1 which supports the audio function.

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3) VIDEO OUTPUT

Connect to a CRT monitor for video output.

4) AUDIO IN (1)

Connect to audio source, such as camera equipped with the audio function.
When users start recording, the audio input will also be recorded with corresponding video channel.

Note: The audio source connected to the "Audio 1" will be recorded with the video of the "CH1".

5) Audio OUT (1)

Connect to a monitor or speaker with 1 mono audio output.

6) LAN

Connect to Internet by LAN cable.

7) LINK ACT.

When your DVR is connected to the Internet, this LED will be on.

8) DC 19V

Connect to the supplied adapter.

3. CONNECTIONS AND SETUP

3.1 HDD Installation

The HDD must be installed before the DVR is turned on.

Step 1: Loose the screws on the upper cover and open the upper cover of the DVR.

Step 2: Remove the HDD bracket.

Step 3: Get a suitable brand HDD and set the HDD mode to "**Master**" mode.

Step 4: Slide and fasten the HDD to the HDD bracket, two screws for each side.

Step 5: Replace the HDD bracket back to the DVR base.

Step 6: Connect the HDD to the power connector and the IDE BUS connector (make sure to align the HDD precisely for pin connection).

Step 7: Close the upper cover of the DVR, and fasten all the screws you loosened in Step 1.

3.2 Camera Connection

The cameras must be connected and power-supplied **BEFORE** the DVR is turned on. The DVR will automatically detect the video system of the connected camera(s) (NTSC / PAL), and switch itself to the correct system.

Connect the camera with the indicated power supply, and connect the camera video output to the DVR video input port with a coaxial cable or RCA lines with BNC connectors.

Note: For detailed DVR video input / output ports, please refer to "2.2 Rear Panel" at page 2.
For detailed camera operation, please refer to its own manual.

Note: If you want to make a video backup with audio, please connect audio camera to the CH1 which support the audio function

3.3 Power Setup

This device should be operated only with the type of power source indicated on the manufacturer's label. Connect the indicated AC power cord to the power adapter, and plug into an electrical outlet. The power LED "⏻" will be on as green. It takes approximately 10 to 15 seconds to boot the system.

3.4 Date and Time Setting

Before operating your DVR, please set the date and time on your DVR first.

Press the "MENU" button and enter the password to go to the menu list. The default admin password is 0000. Move the cursor to "DATE" and you can set the date / time / daylight saving in the "DATE" menu list.

3.5 Password Setting

Press the "MENU" button and enter the password to go to the menu list. Then, move the cursor to "ADVANCE" to enter the advanced setting menu.

In the "ADVANCE" menu, move the cursor to "SYSTEM". Select "PASSWORD" and press the "ENTER" button to enter the submenu to set the password (four digits). The default admin password is 0000.

ADVANCE
CAMERA
DETECTION
DISPLAY
ALERT
SYSTEM
NETWORK
BACKUP
HDD INFO

SYSTEM	
PASSWORD	XXXX
RESET DEFAULT	RESET
CLEAR HDD	HDD-MASTER-1
UPGRADE	START
AUTO KEYLOCK	NEVER
LANGUAGE	ENGLISH
VIDEO FORMAT	NTSC
VERSION	1167-1012-1022-1017

4. BASIC OPERATION

4.1 Live Page

In this live page of the DVR, you can see the following icons:

Icon	Function	Icon	Function	Icon	Function	Icon	Function
	Key lock		Key unlock		1st live audio channel		Digital zoom mode
	Digital zoom unselected		Timer recording		Motion		Recording

4.2 Recording

When the recording and the pre-alarm function are activated, this device will overwrite 8GB data from the oldest for continuous recording without notice.

1) Continuous Recording Icon

When the DVR is properly connected with camera, you can see the icon " " (recording) on the monitor.

2) Motion Recording Icon

When the motion / alarm detection is activated, once motion or external alarm happens, you will see the icon " " (motion) on the monitor.

3) Timer Recording Icon

When the timer record is activated, you will see the icon " " (timer) on the monitor

Note: The audio source connected to the "Audio 1" will be recorded with the video of the "CH1".

4.3 Playback

Press the "PLAY" button on the DVR control panel, and the device will playback the latest recorded video.

Note: There must be at least 8192 images of recorded data for playback to work properly. If not, the device will stop playback. For example, if the IPS is set to 30, the recording time should be at least 205 seconds (8192 images / 40 IPS) for the playback to work properly.

1) Fast Forward / Fast Rewind

You can increase the speed for fast forward and rewind on this device. In the playback mode:
Press "FF" once to get 4X speed forward and press twice to get 8X speed, etc. And the maximum speed is 32X.
Press "REW" once to get 4X speed rewind and press twice to get 8X speed, etc. And the maximum speed is 32X.

Note: During playback, the image size of the recording (CIF) will be shown on the screen.

2) Pause / Image Jog

Press "PAUSE" button to pause the playback.
In the pause mode:
Press "►" button once to get one frame forward.
Press "◄" button once to get one frame rewind.

3) Stop

Pressing "STOP" button under playback mode, the screen of this device will return to live monitoring mode.

4) Slow Playback

Press “SLOW” button to get 1/4X speed playback and press twice to get 1/8X speed playback.

5) Audio Playback

Use these two buttons to select the live or playback sound of the audio channels.

Icon “ ” means: Live audio of the 1st audio channel / Icon “ ” means: Playback audio of the 1st audio channel

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Note: If you want to make a video backup with audio, please connect audio camera to CH1 which support the audio function

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4.4 Key Lock and Unlock

1) Key Lock On:

Press “MENU” + “ENTER” buttons at the same time on the DVR control panel to lock keys.
Or set the time-out after which the key lock function is activated (Never / 10 SEC / 30 SEC / 60 SEC). Please refer to page 19 in your user manual.

2) Key Lock Off:

Enter the DVR password to exit “Key Lock” mode.

Note: For the password setting, please refer to page 6 in your user manual.

4.5 Upgrade

- **Firmware / Multilanguage OSD Upgrade**

1) Use USB to upgrade firmware or OSD:

Step 1. Format the USB memory device as FAT32 format first.
Step 2. Get the upgrade files from your distributor and save the upgrade files in your USB flash device (do not change the file name).
Step 3. In the “SYSTEM” menu, move the cursor to “UPGRADE”, and press “ENTER” button.
Step 4. Select “YES”, and press “ENTER” button again to confirm upgrade.

2) Use AP software to remotely upgrade firmware or OSD:

Step 1. Save the upgrade files at your PC (do not change the file name) and then login to the AP software.

Step 2. Press “ ” (Miscellaneous Control) button to show the miscellaneous control panel. In the miscellaneous control panel, press “ ” (Tools) button on the miscellaneous control panel to enter the AP upgrade window.

Step 3. Enter the user name, password, IP address and port number of the DVR.

Step 4. Press “Firmware” or “Language” tab as needed, and press “Add” to select the firmware or OSD files to upgrade.

Step 5. Press “Update Firmware” or “Update Language” button to start the upgrade.

Note: For remote upgrade details, please refer to page 45 in your user manual.

4.6 Search

1) Search by List

Press “LIST” button on the DVR control panel to show the list for all types of the recorded files. Choose the list you want to view and press “ENTER” button to start playback.

MANUAL	List the information of the manual-recorded files. The DVR will save one recorded file once any recording setting is changed
MOTION	List the information of the motion-trigger-recorded files.
SYSTEM	List the information of the system-recorded files. The DVR system will save one recorded file every one hour.
TIMER	List the information of the timer-recorded files.

2) Quick Search by Time

Press the “MENU” button to enter the menu list, move the cursor to “QUICK SEARCH”, and press “ENTER” button to enter the quick time search menu. You can search any specific events by time (Year / Month / Day / Hour / Min) and directly play the file you find.

3) Search the Record Event by Log on the AP Software

Press “ ” (Miscellaneous Control) button to show the miscellaneous control panel. In the miscellaneous control panel, press “ ” (Status List) button to enter the “Status List” page. In this page, you can see the list of three different types of recording (User / Motion / Alarm) and press “Play” button to directly playback the file.